

## **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

- 1           1. (Original) An automated method of dynamically selecting a level of  
2   compression to be applied to data to be transmitted, the method comprising:  
3       receiving a data request at a server configured to serve data;  
4       identifying a bandwidth associated with a communication link coupling  
5   the server to a requestor that originated the data request;  
6       determining an amount of data requested in the data request;  
7       determining how busy the server is;  
8       dynamically selecting a level of compression based at least on the  
9   bandwidth; and  
10       compressing the requested data using the selected level of compression.
  
- 1 |       2. (Currently amended) The automated method of claim 1, further  
2 |   comprising:  
3 |       determining whether the requested data are cacheable.
  
- 1 |       3. (Currently amended) The automated method of claim 1, wherein said  
2 |   identifying comprises transferring a known quantity of data between the server  
3 |   and the requestor.
  
- 1 |       4. (Currently amended) The automated method of claim 1, wherein said  
2 |   identifying comprises retrieving the bandwidth from a database.

1 | 5. (Currently amended) The automated method of claim 1, wherein said  
2 | dynamically selecting comprises identifying a level of compression suitable for  
3 | the bandwidth.

1 | 6. (Currently amended) A computer readable medium storing instructions  
2 | that, when executed by a computer, cause the computer to perform a method of  
3 | dynamically selecting a level of compression to be applied to data to be  
4 | transmitted, wherein the computer readable medium includes volatile random  
5 | access memory (RAM), non-volatile read only memory (ROM), and disks, the  
6 | method comprising:  
7 |       receiving a data request at a server configured to serve data;  
8 |       identifying a bandwidth associated with a communication link coupling  
9 | the server to a requestor that originated the data request;  
10 |       determining an amount of data requested in the data request;  
11 |       determining how busy the server is;  
12 |       dynamically selecting a level of compression based at least on the  
13 | bandwidth; and  
14 |       compressing the requested data using the selected level of compression.

1 | 7. (Currently amended) A computer-implemented method of dynamically  
2 | selecting a level of compression to apply to a set of data, the computer-  
3 | implemented method comprising:  
4 |       receiving from a client a request for a set of data;  
5 |       determining a bandwidth available on a communication link used by the  
6 | client;  
7 |       based on the determined bandwidth, dynamically selecting a level of  
8 | compression to apply to the set of data; and  
9 |       compressing the set of data using the selected level of compression prior to

10 transmitting the set of data toward the client.

1 | 8. (Currently amended) The computer-implemented method of claim 7,  
2 | wherein the dynamically selected level of compression is inversely proportional to  
3 | the determined bandwidth.

1 | 9. (Currently amended) The computer-implemented method of claim 7,  
2 | further comprising:  
3 | determining whether the set of data is cacheable;  
4 | wherein a higher level of compression is dynamically selected if the set of  
5 | data is cacheable than if the set of data is not cacheable.

1 | 10. (Currently amended) The computer-implemented method of claim 9,  
2 | wherein said determining comprises:  
3 | transferring to the client a data object having a known size; and  
4 | measuring an ~~the~~ amount of time required for the transfer.

1 | 11. (Currently amended) The computer-implemented method of claim 9,  
2 | wherein said determining comprises:  
3 | using an identity of the client, retrieving from a data collection a  
4 | bandwidth associated with the identity.

1 | 12. (Currently amended) A computer readable medium storing instructions  
2 | that, when executed by a computer, cause the computer to perform a method of  
3 | dynamically selecting a level of compression to apply to a set of data, wherein the  
4 | computer readable medium includes volatile random access memory (RAM), non-  
5 | volatile read only memory (ROM), and disks, the method comprising:  
6 | receiving from a client a request for a set of data;

7           determining a bandwidth available on a communication link used by the  
8   client;  
9           based on the determined bandwidth, dynamically selecting a level of  
10   compression to apply to the set of data; and  
11   |       compressing the set of data using the selected level of compression prior to  
12   transmitting the set of data toward the client.

1           13. (Original) An apparatus for dynamically selecting a level of  
2   compression to be applied to data to be transmitted from the apparatus,  
3   comprising:  
4           a compression module configured to compress, with a specified level of  
5   compression, a set of data to be transmitted to a data requestor; and  
6           a dynamic compression selection module configured to dynamically select  
7   said level of compression based on a bandwidth associated with a communication  
8   link employed by the data requestor.

1           14. (Original) The apparatus of claim 13, further comprising:  
2           a bandwidth determination module configured to determine the bandwidth  
3   of a communication link used by the data requestor.

1           15. (Original) The apparatus of claim 14, wherein said bandwidth  
2   determination module is configured to calculate the bandwidth by transferring a  
3   known quantity of data between the data requestor and the apparatus.

1           16. (Original) The apparatus of claim 14, wherein said bandwidth  
2   determination module is configured to retrieve the bandwidth from a database  
3   configured to identify bandwidths associated with data requestors' communication  
4   links.

1           17. (Currently amended) The apparatus of claim 13, wherein the apparatus  
2 | is configured to determine a size of the ~~requested~~ set of data.

1           18. (Currently amended) The apparatus of claim 13, wherein the apparatus  
2 | is configured to determine whether the ~~requested~~ set of data is cacheable.